IN THE CLAIMS:

Please amend Claims 1, 2, 5-10, 13-16, as indicated below. The following is a complete listing of claims and replaces all prior versions and listings of claims in the present application:

1. (Currently Amended): A method of decoding an encoded digital image, ~~the encoded data of the image comprising~~ decodable at a plurality of predefined resolutions, comprising the steps of:

selecting a resolution lower than the highest of the predefined resolutions and different from each of the predefined resolutions;

determining the predefined resolution immediately above the selected resolution;

determining a quantity of data of the determined predefined resolution, as a function of a ratio between the selected resolution and the determined predefined resolution;

selecting, as a function of the determined quantity of data, data from encoded data of the determined predefined resolution;

decoding [[the]] an image including the selected data at the determined predefined resolution, ~~as a function of the determined quantity of data~~; and

subsampling the decoded image, as a function of [[the]] a ratio between the selected resolution and the determined predefined resolution.

2. (Currently Amended): A decoding method according to claim 1, comprising the prior display of the image at a predefined initial resolution, wherein ~~and in that~~ the selection

of a resolution is an instruction for a change of size of the image with respect to the predefined initial resolution.

3. (Original): A decoding method according to claim 1, the encoded data comprising a plurality of layers within each predefined resolution, wherein the determination of a quantity of data is the determination of a number of layers of the determined predefined resolution.

4. (Previously Presented): A decoding method according to claim 1, wherein the determination of the quantity of data of the determined predefined resolution is performed as a function of a ratio between the number of pixels of the selected resolution and a number of pixels of the determined predefined resolution.

5. (Currently Amended): A decoding method according to claim 1, wherein the decoding of the image including the selected data at the determined predefined resolution is furthermore carried out as a function of the data of the predefined resolutions lower than the selected resolution, if the determined predefined resolution is not the lowest for the image considered.

6. (Currently Amended): A method of decoding encoded data, ~~the encoded data comprising~~ decodable at a plurality of predefined resolutions R_n, comprising the steps of:

determining an intermediate resolution between a first predefined resolution [[Ra]] $\underline{R_a}$ and a second predefined resolution R_{a+1}, the intermediate resolution being different from the first predefined resolution [[Ra]] $\underline{R_a}$ and the second predefined resolution R_{a+1};

~~determining a quantity of~~ selecting encoded data ~~of the second resolution~~ corresponding to the intermediate resolution;

decoding the ~~determined quantity of~~ selected encoded data; and

scaling the decoded ~~image~~ data, as a function of a ratio between the intermediate resolution and one of the predefined resolutions R_n, wherein ~~said determined quantity of~~ the selected encoded data includes encoded data corresponding to [[said]] the first predefined resolution R_a, and a part of ~~encoded data included in~~ encoded data corresponding to the second predefined resolution R_{a+1} but not included in the encoded data corresponding to [[said]] the first predefined resolution R_a.

7. (Currently Amended): A method of decoding encoded data, ~~the encoded data comprising~~ decodable at a plurality of predefined resolutions, comprising the steps of:

selecting an intermediate resolution between a first predefined resolution and a second predefined resolution, the second predefined resolution being higher than the first predefined resolution, the intermediate resolution being different from the first predefined resolution and the second predefined resolution;

determining a quantity of encoded data of the second resolution depending on the intermediate resolution;

selecting, as a function of the determined quantity of encoded data, data from encoded data of the second resolution;

decoding the ~~determined quantity of encoded~~ selected data; and

subsampling the decoded data from the second resolution to the intermediate resolution.

8. (Currently Amended): A decoding method according to claim 7, wherein [[said]] the determined quantity of encoded data is a function of a ratio between the intermediate resolution and the second predefined resolution.

9. (Currently Amended): A device for decoding an encoded digital image, ~~the encoded data of the image comprising~~ decodable at a plurality of predefined resolutions, comprising:

means for selecting a resolution lower than the highest of the predefined resolutions and different from each of the predefined resolutions;

means for determining the predefined resolution immediately above the selected resolution;

means for determining a quantity of data of the determined predefined resolution, as a function of a ratio between the selected resolution and the determined predefined resolution;

means for selecting, as a function of the determined quantity of data, data from encoded data of the determined predefined resolution;

means for decoding [[the]] an image including the selected data at the determined predefined resolution, ~~as a function of the determined quantity of data~~; and

means for subsampling the decoded image, as a function of [[the]] a ratio between the selected resolution and the determined predefined resolution.

10. (Currently Amended): A decoding device according to claim 9, comprising means for prior display of the image at a predefined initial resolution, wherein ~~and in that~~ the means for selecting a resolution makes it possible to enter an instruction for change of size of the image with respect to the predefined initial resolution.

11. (Original): A decoding device according to claim 10, the encoded data comprising a plurality of layers within each predefined resolution, wherein the means for determining a quantity of data are adapted to determine a number of layers of the determined predefined resolution.

12. (Previously Presented): A decoding device according to claim 9, wherein the means for determining a quantity of data of the determined predefined resolution are adapted to perform the determination as a function of a ratio between the number of pixels of the selected resolution and the number of pixels of the determined predefined resolution.

13. (Currently Amended): A decoding device according to claim 9, wherein the means for decoding the image including the selected data at the determined predefined resolution

are adapted to perform the decoding furthermore as a function of the data of the predefined resolutions lower than the selected resolution, if the determined predefined resolution is not the lowest for the image considered.

14. (Currently Amended): A device for decoding encoded data, ~~the encoded data comprising~~ decodable at a plurality of predefined resolutions R_n, comprising ~~the steps of~~:

means for determining an intermediate resolution between a first predefined resolution R_a and a second predefined resolution R_{a+1}, the intermediate resolution being different from the first predefined resolution R_a and the second predefined resolution R_{a+1};

means for ~~determining a quantity of~~ selecting encoded data ~~of the second resolution~~ corresponding to the intermediate resolution;

means for decoding the ~~determined quantity of~~ selected encoded data; and

means for scaling the decoded ~~image~~ data, as a function of a ratio between the intermediate resolution and one of the predefined resolutions R_n, wherein the ~~determined quantity of~~ selected encoded data includes encoded data corresponding to the first predefined resolution R_a, and a part of ~~encoded data included in~~ encoded data corresponding to the second predefined resolution R_{a+1} but not included in the encoded data corresponding to the first predefined resolution R_a.

15. (Currently Amended): A device for decoding encoded data, ~~the encoded data comprising~~ decodable at a plurality of predefined resolutions, comprising:

means for selecting an intermediate resolution between a first predefined resolution and a second predefined resolution, the second predefined resolution being higher than the first predefined resolution, the intermediate resolution being different from the first predefined resolution and the second predefined ~~second~~ resolution;

means for determining a quantity of encoded data of the second resolution depending on the intermediate resolution;

selecting, as a function of the determined quantity of encoded data, data from encoded data of the second resolution;

means for decoding the ~~determined quantity of encoded~~ selected data; and

means for subsampling the decoded data from the second predefined resolution to the intermediate resolution.

16. (Currently Amended): A decoding device according to claim 15, wherein [[said]] the determined quality of encoded data is a function of a ratio between the intermediate resolution and the second predefined resolution.

17. (Previously Presented): A decoding device according to any one of claims 9, 14 or 15, wherein said means for selecting, determining, decoding and subsampling are incorporated in: a microprocessor, a read only memory, comprising a program for processing the data, and a random access memory comprising registers adapted to record variables modified during the execution of said program.

18. (Previously Presented): An apparatus for processing a digital image, comprising means adapted to implement the method according to claim 1.

19. (Previously Presented): An apparatus for processing a digital image, comprising the device according to any one of claims 9, 14 or 15.